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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                       Minimum DB seq length: 0
Maximum DB seq length: 2000000000
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Perfect score:
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PIR_66:*
1: pir1:*
2: pir2:*
3: pir3:*
4: pir4:*
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Gapop 10.0 , Gapext 0.5
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381
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	80	7	6	5	4	ω	2	1	NO.	Result	
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pe B proside seed seed seed seed seed seed seed	ch 1 Similarity 1 Similarity 31; Conservat Conservat	RESULT 1 \$22477 vicilin precursor - cacao (cacao) C. Species: Theobroma cacao (cacao) C. Species: 30-Sep-1993 #sequence_revision C. Accession: \$22477; \$22478 # \$18105; \$ R. McHenry, L.; Fritz, P.J. Plant Mol. Biol. 18, 1173-1176, 1992 A. Tille: Comparison of the structure a A. Reference number: \$22477; MUID:92288 A. Rocession: \$22477 A. Molecule type: DNA A. Residues: 1-566 <mch> A. Residues: 1-566 <mch> A. Residues: 1-566 <mch> A. Residues: 1-452 <mc2> A. Cross-references: EMBL:x62625 A. A. Residues: 1-452 <mc2> A. Cross-references: EMBL:x62626 C. Genetics: A. Introns: 211/1; 269/3; 296/3; 391/3; C. Superfamily: 91ycinin C. Reywords: seed; storage protein C. Reywords: seed; storage protein F. 1-24/Domain: Signal Sequence #status F. 25-566/Product: vicilin #status pred</mc2></mc2></mch></mch></mch>	223 223 223 223 223 223
ecurse storae sutum uence uence, ficher 18	45.4 32.6 32.6 corrette	o (c. uence (c. 478 / 178 / 177; Mr. 77; Mr. 1826 : x626 : x626 : x626 c. e proguence proguence con #st.	406 540 573 573 1344 758 285 582 407 768 766 777
or (uk (uk rev rev 1987 nist	148; 58; 1	acac Free S18: S18: S18: S18: S18: S18: S18: S18:	\circ
RESULT 2 S08059 alpha-globulin type B precursor (tandem 1) - upland on the process of the proces	SCORE 173; DB 2; Pred. No. 1.5e-07; 7; Mismatches 15 HMQICQORCERRYEKEKRK : : :::: EQEQCEORCEREYKEQORQ REDEEKYEERMK 65 : RGBHENYHNHKK 129	sision 30-Sep-1993 05; S22050 992 ure and nucleotide 92288309 91/3; 502/1 91/3; 502/1	T24492 \$21825 \$21825 \$21825 A53234 A54514 T42637 T42637 B53234 JE02258 JE0233 \$52391 S52391 E54024 E54024 E54024 ALIGNMENTS
<pre>id cotton (fragment) #text_change 30-Sep-1993 I, L. embryogenesis and germination.</pre>	Length 566; ; Indels 32; Gaps 1; QQ46 : QEEELORQYQQCQGRCQE 94	#text_change 17-Mar-1999 sequence of vicilin genes of	hypothetical prote vicilin-like stora globulin-ls, GLBIS hypothetical prote glutamic acid-rich hypothetical prote hypothetical prote involucin - dog vicilin-like stora globulinl - maize troponin-I - scall centrosomin B - mo protein kinase (EC protein kinase (E
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RESULT
S06398
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A; Residues: 1-509 < CHL>
C; Superfamily: glycinin
                                                               C; Accession: S06398
R; Chlan, C.A.; Borro
                                                                                                                          N;Alternate names: seed storage protein C;Species: Gossyplum hirsutum (upland cotton) C;Date: 31-Mar-1990 #sequence_revision 31-Mar
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C;Comment: This is a seed storage protein.
C;Superfamily: glycinin
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R:Chlan, C.A.; Borroto, K.; Kamalay, J.A.; Dure III,
Plant Mol. Biol. 9, 533-546, 1987
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          C;Accession: A30838; S06911
R;Chlan, C.A.; Pyle, J.B.; Legocki, A.B.; Dure III,
Plant Mol. Biol. 7, 475-489, 1986
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      A; Title: Developmental biochemistry
                                       Plant
                                                                                                                                                                                                                       alpha-globulin type A precursor - upland cotton
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A; Accession: S06911
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A; Molecule type: mRNA
A; Residues: 1-588 < CHL>
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28; Conser
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29; Conservative
                                    Borroto, K.; Kamalay, J.A.;
l. 9, 533-546, 1987
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Pred. No. 1.8e-05;
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      cottonseed
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A; Mobile
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protein PV100 [imported] - winter squash
C;Species: Cucurbita maxima (winter squash)
C;Date: 21-Jan-2000 #sequence_revision 21-Jan-2000 #text_change 21-Ju1-2000
C;Accession: T44430
R;Yamada, K.; Shimada, T.; Kondo, M.; Nishimura, M.; Hara-Nishimura, I.
J. Biol. Chem. 274, 2563-2570, 1999
A;Title: Multiple functional proteins are produced by cleaving Asn-Gln bonds of a sin A;Reference number: Z22767; MUID:99107919
A;Accession: T44430
A;Accession: T44430
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A; Accession: S06398
A; Accession: S06398
A; Status: not compared with conceptual translation
A; Molecule type: DNA
A; Molecule type: DNA
A; Residues: 1-605 < CHL>
C; Superfamily: glycinin
F; 1-24/Domain: signal sequence #status predicted <SIG>
F; 25-605/Product: alpha-globulin type A #status predic
A;Gene: rep
                      C; Genetics:
                                     A; Experimental source:
                                       A;Cross-references: EMBL:AF000580; NID:g3068582; PIDN:AAC14390.1; PID:g3068583 A;Experimental source: strain wS2162
                                                                                                 A; Status: preliminary; translated A; Molecule type: DNA
                                                                                                                                                                    R;Rieben Jr., W.K.; Gonzales, C.M.; Gonzales, S.T.; Pilkington, K.J.; Kiyosawa, H.; H Genetics 146, 1117-1125, 1998
A;Title: Dictyostelium discoideum nuclear plasmid Ddp5 is a chimera related to the Dd A;Reference number: Z14684; MUID:98198836
                                                                                                                                                                                                                                                                          C; Species: Dictyostelium discoideum C; Date: 24-Mar-1999 #sequence_revision
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A; Residues: 1-810 < YAM>
A; Cross-references: EMB
                                                                                  A; Residues: 1-1038 <RIE>
                                                                                                                                              A; Accession: T02634
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                                                                                                                                                                                                                                                                                                                    rep protein homolog - slime mold (Dictyostelium discoideum) plasmid Ddp5
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32.1%;
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3; Mismatches
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Pred. No.
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e: plasmid element:

plasmid

Ddp5

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A; Molecule type: DNA
A; Residues: 1-1898 <-LEE>
A; Cross-references: GB:L09190; NID:g292835; PIDN:AAA65582.1; PID:g292836
A; Note: authors translated the codon AGG for residue 1714 as Pro
C; Comment: Trichohyalin is a protein of the medulla of the hair and of the inner root:
Covalent modifications to this protein include conversion of arginine to citrulline an
C; Genetics:
A; Gene: GDB:THH
A; Gross-references: GDB:136223; OMIM:190370
A; Map position: 1q21-1q21
C; Superfamily: trichohyalin; calmodulin repeat homology
C; Superfamily: trichohyalin; calmodulin repeat homology
C; Keywords: calcium binding; citrulline; EF hand; hair; tandem repeat
                                                                                                                                                                                                                                                                                                                                                                   trichohyalin - human
C;Species: Homo sapiens (man)
C;Date: 03-May-1994 #sequence_revision 01-Mar-1996 #text_change 22-Jun-1999
C;Date: 03-May-1994 #sequence_revision 01-Mar-1996 #text_change 22-Jun-1999
C;Accession: A45973
R;Lee, S.C.; Kim, I.G.; Marekov, L.N.; O'Keefe, E.J.; Parry, D.A.D.; Steinert, J. Biol. Chem. 268, 12164-12176, 1993
A;Title: The structure of human trichohyalin. Potential multiple roles as a fun
                                                                                                                                                                                                                                                                                                    ed (cross-linking) protein.
A; Reference number: A45973; MUID:93280194
A; Accession: A45973
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A:Introns: 12/1; 106/3; 171/2; 335/2
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A;Accession: T19201
A;Status: preliminary; translated from GB/EMBL/DDBJ
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A; Residues: 1-385 <WIL>
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Best Local Similarity
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28.4%;
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A; Map position: 6, ald C; Superfamily: myosin F; 62-874/Domain: myosi
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A;Residues: 1-1737 <GEI>
A;Cross-references: GB:AF090533; NID:g5714395; PIDN:AAD47903.1; PID:g5714396
A;Experimental source: strain AX2
                                                                                                                                                                                                                                                                                                                                                                   C;Species: Dictyostelium discoideum
C;Date: 19-May-2000 #sequence_revision 19-May-2000 #text_change 08-Sep-2000
C;Accession: A59235
R;Geissler, H.; Schwarz, E.C.; Soldati, T.
                                                                                                                                                                             A; Experimental C; Genetics:
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Best Local Similarity
Thehes 18; Conservi
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A;Description: Distinct families of site-specific retroposons occupy identical positi A;Reference number: S27770
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             hypothetical protein 1 - African malaria mosquito (fragment)
C;Species: Anopheles gambiae (African malaria mosquito)
C;Date: 17-Apr-1993 #sequence_revision 17-Apr-1993 #text_change 09-Sep-1997
C;Accession: S27770
                                                                                                                                                       A; Gene: myoM
                                                                                                                                                                                                                                                                                                               A; Reference number:
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A; Residues: 1-613 <BES>
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                                                                                                                                                                                                                                                                        preliminary; not compared with conceptual translation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RQRELQEEEEQLRKLERQELRRERQEEEEQQQQRLRREQQLRRKQEEERREQQEERREQQE 326
                      Similarity
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                                                                                                                                     6, aldB-cabA2
                                                                                               yosin motor domain homology
myosin motor domain homology #status atypical <MMO>
    Conservative
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                                                                                                                                                                                                                                                                                                                 A59235
                      26.5%;
35.8%;
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31.0%;
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                    Score 101;
Pred. No. 0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 102; DB:
Pred. No. 0.12;
7; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 103; DB 1;
Pred. No. 0.25;
    Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
                                                                                                                                                                                                                                                                                                                                 novel and highly divergent myosins
                    DB 2;
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    19;
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                                    Length 1737;
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    Indels
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1 NRQRDPQQQYEQCQKRCQRRETEPRHMQTCQQRCERRYEKE-KRKQQKRYEEQQREDEEK 59

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RiFietz, M.J.; Rogers, G.E. submitted to the EMBL Data Library, December 1992 A:Description: Examination of the gene encoding rabbit
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J. Biol. Chem. 273, 24654-24659, 1998
A;Title: Dictyostelium TRFA homologous to yeast
A;Reference number: Z17852; MUID:98406112
A;Accession: T14004
                                                                                                                                                                                                                                                                                                                                                                                                                               C;Species: Dictyostelium discoideum
C;Date: 20-Sep-1999 #sequence_revision 20-Sep-1999 #text_change 11-May-2000
C;Accession: T14004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C;Superfamily: trichohyalin; calmodulin repeat homology C;Keywords: calcium binding; citrulline; EF hand; hair; F;49-81/Domain: calmodulin repeat homology <EF2>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A;Residues: 1-1407 <FIE>
A;Residues: 1-1407 <FIE>
A;Cross-references: EMBL:Z19092; NID:g1746; PIDN:CAA79519.1; PID:g1747
C;Comment: Trichohyalin is a protein of the medulla of the hair and of the inner root sl
Covalent modifications to this protein include conversion of arginine to citrulline and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             C; Species: Oryctolagus
C; Date: 12-Mar-1993 #se
C; Accession: S28589
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A; Residues: 1-1390 <
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T14004
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                                                                                                                                                                                                                           A; Gene:
                                                                                                                                                                                                                                              C; Genetics:
                                                                                                                                                                                                                                                                 A; Cross-references:
                                                                                                                                                                                                                                                                                                                  A;Status: preliminary; translated from GB/EMBL/DDBJ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          C; Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A; Molecule type:
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                                                                                                                                 Query Match
Best Local
                                                                                                                  Matches
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    256 QQQLRRELEEIREREQRLEQEERREQ--QLRREQRLEQEERREQQLRRELEEIREREQRL 313
     62
                                         91
                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  55 EDEEKYEERMKE
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                                                                    2 RORDPOQOYEQCOKRCORRETEPRHMOICOORCERRYEKEKRKOOKRYEEQQREDEEKYE 61
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     ERMKEGD
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                                                                                                                  16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            l Similarity
25; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    slime mold (Dictyostelium discoideum)
                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                           364/3; 637/1
                                                                                                                                                                                                                                                               <SAI>: EMBL:AB009080;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            gus cuniculus (domestic rabbit)
#sequence_revision 01-Mar-1996
                                                                                                                               26.0%;
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Pred.
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                                                                                                                                                                                                                                                                 NID:d1228566; PID:d1034109; PIDN:BAA33143.1
                                                                                                              Mismatches
                                                                                                                             No. 0.42;
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).35;
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                                                                                                                                                  Length 1390;
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                                                                                                            Gaps
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                                                                                         RESULT
T46481
                 hypothetical protein DKFZp434A025.1 - human (fragment) c;Species: Homo sapiens (man) C;Date: 04-Feb-2000 #sequence_revision 04-Feb-2000 #teC;Accession: T46481
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                                                                                                                                                                                                                                                                                                                                                                                                                               A; Molecule type: mRNA
A; Residues: 1-877 < MAC>
                                                                                                                                                                                                                                                                                                                                                                                                                                                               A; Status: preliminary;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A;Reference number: A48482; MUID:94012983 A;Accession: I50591
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      R;Mackay, A.M.; Eckley, D.M.; Chue, C.; Earnshaw, W.C. J. Cell Biol. 123, 373-385, 1993
A;Title: Molecular analysis of the INCENPS (inner cent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           C; Accession:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C;Date: 13-Sep-1996 #sequence_revision 13-Sep-1996 #text_change
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             C; Species: Gallus gallus (chicken)
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A; Residues: 1-839 < MAC>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A;Reference number: A48482; MUID:94012983
A;Accession: I50590
A;Status: preliminary; translated from GB,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             R:Mackay, A.M.; Eckley, D.M.; Chue, C.; Earnshaw, W.C
J. Cell Biol. 123, 373-385, 1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             class I INCEMP protein - chicken
C;Species: Gallus gallus (chicken)
C;Date: 13-Sep-1996 #sequence_revision 13-Sep-1996 #text_change 21-Jul-2000
C;Accession: I50590
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Matches 22
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Best Local Similarity
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                                                                                                                                                                   666 QERKKE
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                                                                                                                                                                                                                                                                                                                    22;
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Lauber,
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of ti
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Mewes,
                                                                                                                                                                                                                                                                                                                  Score 97.5; DB Pred. No. 0.38; 6; Mismatches
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                                    04-Feb-2000 #text_change 04-Feb-2000
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H.W.;
Gassenhuber, J.;
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submitted to the Protein Sequence Database, January 2000
A:Reference number: Z23035
A:Recession: T46481
A:Status: preliminary
A:Molecule type: mRNA
A:Residues: 1-1027 <AAA>
A:Residues: 1-1027 <AAA>
A:Cross-references: EMBL:AL137755
A:Experimental source: adult testis; clone DKFZp434A025
A:Cross-references: EMBL:AL137755
A:Cross-references: EMBL:AL13775
A:Cross-references: EMBL:AL1377
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